1   <u>ABSTRACT OF THE DISCLOSURE</u>

2   The invention includes a system for product selection, the system including: a

3   CPU; a memory operatively connected to the CPU, the memory containing a

4   program adapted to be executed by the CPU and the CPU and memory

5   cooperatively adapted for presenting a user interface and expert interface to

6   an expert system for product selection; a expert-interface code segment

7   embodied on a computer-readable medium configured and adapted for:

8   creating and modifying via a graphical user interface a graphically-displayed

9   tree structure representing a plurality of product applications; associating and

10   modifying via a graphical user interface one or more use condition with each

11   node of the tree structure; and associating and modifying via a graphical user

12   interface one or more suitability ratings for a plurality of applications; creating

13   and modifying via a graphical user interface a list of products associating and

14   modifying via a graphical user interface one or more product with each leaf

15   node of the tree structure; associating via a graphical user interface use

16   condition choices with each product associating via a graphical user interface

17   suitability ratings for each product a user-interface code segment embodied

18   on a computer-readable medium configured and adapted for selecting via a

19   graphical-use interface a path in the tree structure, and for displaying on the

20   same window of the graphical-use interface: the products associated with the

21   leaf node of the selected path; the use conditions associated with each node

22   of the selected path; and the product usability suitability indicators associated

23   with each node of the selected path; selecting via the same window of the

24   graphical-use interface one or more of the use conditions associated with the

25   nodes of the selected path and for entering the user-defined relative

26   importance of the product usability suitability indicators for the intended

27   application of the products associated with the leaf nodes of the selected

28   path; comparing the selected use conditions with the displayed products,

29   where products not having such selected use conditions as attributes are

30   filtered out of the displayed list of products; comparing the entered relative

31   importance of the product usability suitability indicators with the product

1   usability suitability indicators associated with the displayed products,
2   associating a score with each displayed product indicating the correlation of
3   the comparison, and displaying the score with the product; and printing the
4   resulting product list, corresponding suitability scores, selected tree path,
5   selected use conditions, and entered relative importance of product usability
6   suitability indicators.